

LISTING OF THE CLAIMS:

This listing of the claims will replace all prior versions, and listings, of the claims in the application.

Claims 1-9 (Canceled)

1 10. (Currently Amended) Software embodied in one or more computer readable-
2 media when executed operable to: A computer program product for use in a system having at least
3 one client computer and one network server coupled to a network environment, where the client
4 computer displays

5 display, on a client computer coupled to a network environment, one of a plurality of
6 two-dimensional secondary spatial images being components of an original multi-dimensional image
7 having more than two dimensions, with an indicated location locations in the two-dimensional
8 secondary spatial image specified by values of first and second coordinates, specifying the position
9 of the indicated location in the two-dimensional spatial image, and specified by at least one [a]
10 predefined additional coordinate which, in combination with the first and second coordinates,
11 specifies the position of the indicated location; of a corresponding location in the original multi-
12 dimensional image, with the computer program product recorded onto a computer usable medium,
13 having computer readable program code physically embodied thereon, that is capable of being
14 executed by the network server for associating specified program actions with locations in images
15 viewed on the client computer the computer program product comprising:

16 computer readable program code for causing the network server to read a secondary
17 image map, at a server computer coupled to the network environment, with the secondary image
18 map having unique entries correlating to values of the first, second, and additional coordinates of the
19 original multi-dimensional image, with each entry including holding a pointer value;

20 computer readable program code for causing the network server to access, at the
21 server computer, a selected entry of the secondary image map specified by particular values of the
22 first, second, and additional coordinates of an indicated location to retrieve a selected pointer
23 included in held by the selected entry when the indicated location a particular location of the two-
24 dimensional secondary spatial image displayed on the client computer is selected, with the particular
25 values of the first and second first, second, and additional coordinates sent to the server computer
26 from the client computer over the computer network environment; and

27 computer readable program code for causing the network server to utilize, at the
28 server computer, a retrieved selected pointer to access hot program actions associated with the
29 indicated particular location in the original multi-dimensional image.

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1 11. (currently amended) A method comprising: implemented on a network server in
2 a system having at least one client computer and one network server coupled to a network
3 environment, where the client computer displays

4 displaying, on a client computer coupled to a network environment, one of a plurality
5 of two-dimensional secondary spatial images being components of an original multi-dimensional
6 image having more than two dimensions, with an indicated location locations in the two-dimensional
7 secondary spatial image specified by values of first and second coordinates, specifying the position
8 of the indicated location in the two-dimensional spatial image, and specified by at least one [a]
9 predefined additional coordinate which, in combination with the first and second coordinates
10 specifies the position of the indicated location in the original multi-dimensional image; or a
11 corresponding location in the original multi-dimensional image, with the method for associating
12 specified program actions with locations in images viewed on the client computer, the method
13 comprising:

14 reading a secondary image map, at a server computer coupled to the network
15 environment, with the secondary image map having unique entries correlating to values of the first,
16 second, and additional coordinates of the original multi-dimensional image, with each entry
17 including holding a pointer value;

18 accessing, at the server computer, a selected entry of the secondary image map
19 specified by particular values of the first, second, and additional coordinates of an indicated location
20 to retrieve a selected pointer included in held by the selected entry when the indicated a particular
21 location of the two-dimensional secondary spatial image displayed on the client computer is
22 selected, with the particular values of the first and second first, second, and additional coordinates
23 sent to the server computer from the client computer over the computer network environment; and

24 utilizing a retrieved selected pointer, at the server computer, to access hot program
25 actions associated with the indicated particular location in the original multi-dimensional image.

1 12. (New) The software of claim 10 where the multi-dimensional image is a three
2 dimensional volume image and the two-dimensional secondary spatial image is a planar slice of the
3 three-dimensional volume image.

1 13. (New) The software of claim 10 where the multi-dimensional image is a video
2 clip and the two-dimensional secondary spatial image is a frame of the video clip.

1 14. (New) The method of claim 11 where the multi-dimensional image is a three
2 dimensional volume image and the two-dimensional secondary spatial image is a planar slice of the
3 three-dimensional volume image.

1 15. (New) The method of claim 11 where the multi-dimensional image is a video clip
2 and the two-dimensional secondary spatial image is a frame of the video clip.